



HPB

Haguena Production of Boilers

**Three Pass, Wet Back,
Packaged Hot Water Boilers**

General Information:

Manufactures a range of fire tube boilers hot water in accordance of customer requirements familiar as well as new feasible hot water boiler configurations are thoroughly analyzed, types of construction and technology are compared.

Advantages:

Safe, long life, easy operation, easy maintenance and Save fuel.

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Manufactures the three pass hot water boiler with capacity up to 1 250 000 k. cal/ hr.

Working pressure:

Up to 10 Bar (kg / cm²).

Test Pressure:

Up to 16 Bar (kg cm²).

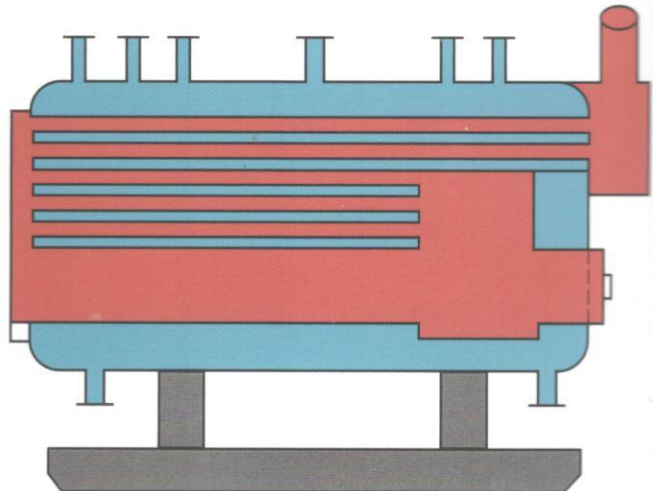
Fuel:

Light oil, Natural Gas, Heavy oil or Dual.

Quality Control:

Inspection for:

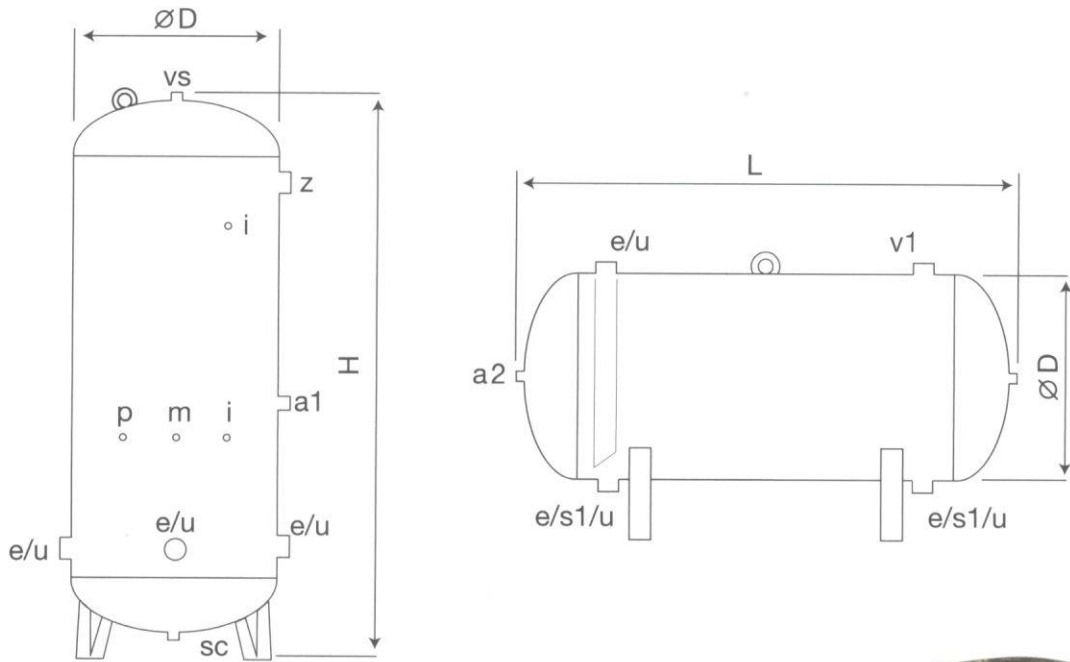
- Radiographic tests (Welds).
- Hydrostatic test.
- Ultrasonic test.



Electric panel for boiler device control

Light and sound signals give the user indications on the boiler conditions.

Haguena Production of Boilers is also manufacturing the hot water cylinders according to industry standards as follow :-

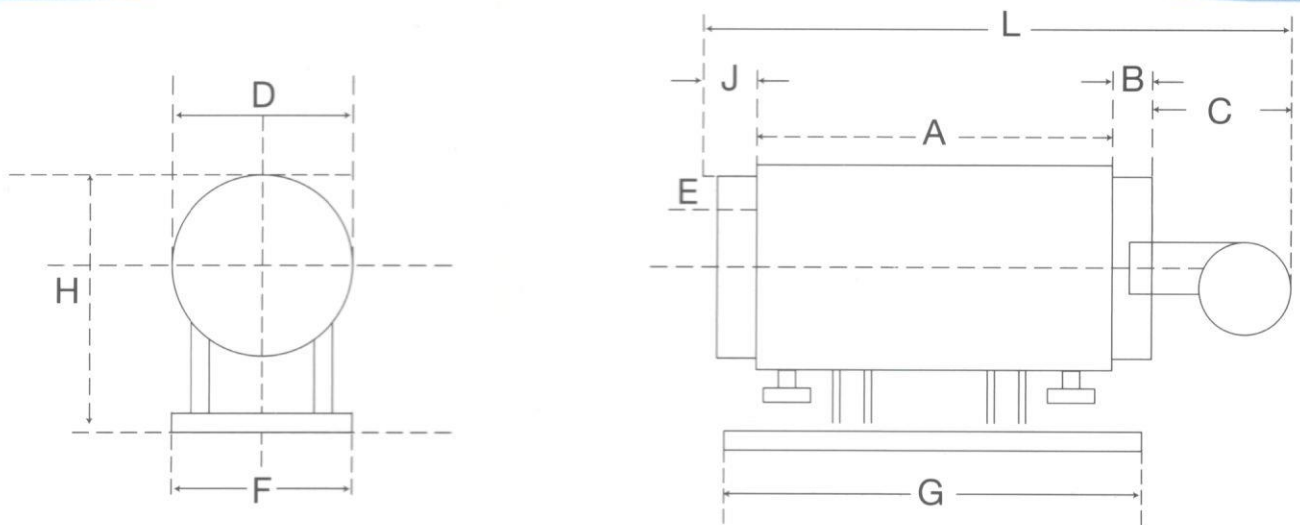


Capacity (lit)	D	H	L	E-U	AA	Weight
100	400	1000	890	1"	1" 1/2	According
200	450	1440	1300	1"	1" 1/2	To Customer
300	550	1490	1350	1"	1" 1/2	Requirement
500	650	1800	1650	1" 1/2	1" 1/2	
750	750	1950	1800	1" 1/2	1" 1/2	
1000	800	2130	1980	2"	1" 1/2	
1500	950	2470	2310	2"	1" 1/2	
2000	1100	2550	2400	2"	1" 1/2	
2500	1100	2800	2650	2"	1" 1/2	
3000	1250	2900	2750	3"	2"	
4000	1450	2990	2840	3"	2"	
5000	1450	3490	3340	3"	2"	
6000	1450	3990	3840	3"	2"	
8000	1650	4090	3940	3"	2"	
10000	1650	5090	4940	3"	2"	

- Dimension in mm.



Technical Data and Main Dimension



Symbol	Technical Data	BR 50	BR 100	BR 150	BR 200	BR 300	BR 450	BR 600	BR 750	BR 950	BR 1250
	k.Ccals/hr x 1000										
A	Boiler Length *	100	100	110	120	200	250	250	270	280	300
D	Boiler Diameter *	85	85	100	100	130	140	140	150	150	150
G&F	Boiler Base *	100x85	100x85	110 x 100	120x100	200x130	250x140	250x140	270x150	280x150	300x150
C	Burner Extension**	40	40	40	45	50	50	50	50	60	60
L	Overall Length **	180	180	190	190	290	350	355	375	400	425
H	Overall Height	130	130	140	140	150	195	195	210	210	210
J	Chimney Diameter	20	20	25	25	30	30	35	35	35	40
B	Front smoke box width	15	15	15	15	20	20	25	25	25	25
E	Rear smoke box width	20	20	25	25	30	35	35	40	40	40
	Fuel Consumption -light oil (Kg/h) -Natural Gas (m ³ /h)	6.5 8	13 16	17 19	26 31	39 47	58 69	77 92	95 113	120 143	159 190
	Hot Water Flow rate at 55 degree cent . Difference - by ton/hr	0.9	1.8	2.2	3.6	5.45	8.2	11	13.6	17.27	22.7
	Max. Working Pressure (bar)	10	10	10	10	10	10	10	10	10	10
	Test Pressure (bar)	16	16	16	16	16	16	16	16	16	16
	Boiler Weight Empty	650	800	900	1115	2000	2700	3700	5400	7500	8500
	Boiler Weight Full	850	1150	1250	1680	3300	4700	6200	8400	11500	12500

- Dimensions in cm.

- Oil Burners, Gas Burners and Dual fuel burner according to Customer Requirement.

The boiler capacity from 50.000 K.cal /hr to 1.250.000 k.cal /hr.



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